What is claimed is:

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1.	A programmable of	device.	comprising:

5 a substrate (10);

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an insulator (13) on said substrate;

an elongated semiconductor material (12) on said insulator, said elongated semiconductor material having first and second ends, and an upper surface S,

said first end (12a) being substantially wider than said second end (12b) and comprising a plurality of integral triangular-shaped portions, and

a metallic material on said upper surface, said metallic material being physically migratable along said upper surface responsive to an electrical current I flowable through said semiconductor material and through said metallic material.

2. The programmable device as claimed in claim 1,

further comprising an energy source connected to said elongated semiconductor material, for causing an electrical current to flow through said elongated semiconductor material and through said metallic material, and for causing said metallic material to migrate along said upper surface.

- 3. The programmable device as claimed in claim 1, wherein said elongated semiconductor material comprises a doped polysilicon.
- 4. The programmable device as claimed in claim 1, wherein said metallic material comprises a metallic silicide.

5. The programmable device as claimed in claim 1, wherein said metallic material is a metallic silicide selected from the group consisting of WSi2, NiSi2 and CoSi2. 6. The programmable device as claimed in claim 1, wherein said first end comprises a plurality of integral triangular-shaped portions. 7. The programmable device as claimed in claim 1, wherein said second end comprises an oblong-shaped portion. 8. The programmable device as claimed in claim 1, wherein said metallic material is disposed on the entire upper surface of said elongated semiconductor material. 9. The programmable device as claimed in claim 1, wherein said metallic material is a semiconductor alloy. 10. The programmable device as claimed in claim 1, wherein said elongated semiconductor material is N+ polysilicon and said metallic material is WSi₂. 11. The programmable device as claimed in claim 1, wherein said elongated semiconductor material includes a central portion connecting said first end to said second end.

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- 12. The device as claimed in claim 11, wherein said central portion has a maximum substantially uniform width of less than approximately one micron.
 - 13. The device as claimed in claim 11, wherein said central portion has a length of less11BUR920020076US2

than approximately two microns.

- 14. The device as claimed in claim 11, wherein said central portion and said second endform a T-shaped member.
 - 15. A method of programming a device, comprising:
- flowing an electrical current at a voltage through a device having a semiconductor alloy disposed on a doped semiconductor line, for a time period such that a portion of the semiconductor alloy irreversibly migrates from a first end of the device to a location proximate to a second end of the device.

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- 16. The method as claimed in claim 15, wherein said step of flowing causes heating of the semiconductor alloy.
- 20 17. The method as claimed in claim 15, wherein said step of flowing further comprises migrating an amount of the semiconductor alloy to the location sufficient to melt the doped semiconductor line and to cause an open circuit.
- 18. The method as claimed in claim 15, wherein the time period is a time period within a range of approximately $150\mu S$ to approximately $350\mu S$, and the electrical current is approximately five mA.
- The method as claimed in claim 16, wherein said step of flowing causes heating of the semiconductor alloy to a temperature of approximately 2160°C.
 - 20. The method as claimed in claim 15, wherein said voltage is 4.7 volts, said current is

21. A method of fabricating a programmed semiconductor device, includes:

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providing a semiconductor substrate (10) having a thermal insulator (13);

disposing an elongated semiconductor material (12) on the insulator, the semiconductor material having an upper surface S, a first resistivity, and two ends;

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disposing a metallic material (40) on the upper surface; the metallic material having a second resistivity much less than the first resistivity of the semiconductor material;

flowing an electrical current I through the semiconductor material (12) and the metallic material (40) for a time period such that a portion of the metallic material migrates from one end (12a) of the semiconductor material to the other end (12b) and melts the semiconductor material to form an open circuit (90).

- 20 22. The method as claimed in claim 21, wherein the first resistivity is approximately equal to 10 times the second resistivity.
- 23. The method as claimed in claim 21, wherein the first resistivity is a substantially uniform resistivity in a range of approximately 100 ohms per square to approximately 200 ohms per square, and wherein the second resistivity is a substantially uniform resistivity in a range of approximately 15 ohms per square to approximately 30 ohms per square.

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24. The method as claimed in claim 21, wherein a combined resistivity of the elongated semiconductor material and the metallic material is a substantially uniform resistivity in a range of approximately 17 ohms per square to approximately 20 ohms per square.